Material Safety Data Sheet

Antifoam Defoamer PPG (RXSOL-34-2066-220)

1. Product and Company Identifaction

Porduct Name	Antifoam Defoamer AF10
Part Number	RXSOL-51-2066-220

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / informationon ingredients

Chemical Name	Cas No	Whight
ISOPROPYL ALCOHOL (SARA III)	67-63-0	10 - 20 %
POLYETHYLENE GLYCOL	9005-07-6	20 - 30%
PROPYLENE GLYCOL,MONO(OLEIC ACID)ESTER	1330-80-9	10 - 20 %

3. Hazards Identification

Physical	Warning
Health hazards	Unclassified
Environmental hazards	Unclassified
Signal Word	Warning
Hazard statement	H226 Flammable liquid and vapour
Precautionary Statement	P210 Keep away from heat/sparks/flames/hot surfaces - no smoking. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.

4. First Aid Measures

Description of first aid steps

Inhalation	Move the victim to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if discomfort persists.
Ingestion	Do not induce vomiting. If vomiting occurs, the head should be lowered so that vomit does not enter the lungs. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical help if discomfort persists.
Skin Contact	Remove contaminated clothing immediately. Rinse immediately with plenty of water. Continue rinsing for at least 15 minutes. Get medical help if irritation persists after washing.
Eye Contact	Rinse immediately with plenty of water. Remove contact lenses and hold eyelids wide open. Continue rinsing for at least 15 minutes. Get medical help right away if symptoms persist after rinsing.

The most important symptoms and effects, both acute and delayed

Inhalation	Vapors may cause drowsiness or dizziness.
Ingestion	May cause stomach upset or vomiting. May cause nausea, headache, dizziness and motion sickness.
Skin Contact	No specific symptoms are known. Prolonged skin contact may cause redness and irritation.
Eye Contact	Irritating to eyes. Symptoms of overexposure may include the following: Redness. Pain.

Indications of first aid and special treatment required

Notes for doctors	Treat according to symptoms.

5. Fire-fighting Measures

Suitable extinguishing media	Extinguish with the following media: Water spray, fog. Foam, carbon dioxide or powder . dry.
Special hazards arising from the substance or mixture	**Specific hazards :** Vapors can be ignited by sparks, hot surfaces or embers. Packaging can rupture or explode when heated, due to excessive pressure building up inside the packaging. **Risk of product combustion :** Carbon oxides. Thermal degradation or combustion may release carbon dioxide and other toxic gases or vapors.
Advice for firefighters	**Special protective equipment for firefighters :** Leave the danger zone immediately. Put on positive pressure breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental Release Measures

Personal precautions	Follow the precautions for safe handling as described in the safety data sheet. For personal protection, see section 8.
Precautions to protect the environment	Avoid release into the environment. To prevent release, place the packaging with the damaged side up.
Methods and materials for storage and cleaning	Avoid spillage entering drains, sewers or rivers. Absorb in vermiculite, dry sand or soil and place in container. Contain spillage for reclamation or disposal in closed containers through a licensed waste contractor. Spill containers must be properly labeled and have hazard symbols appropriate to their contents.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for use	Avoid spills. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid breathing vapors. Use appropriate respirator if air pollution is above exposure limits.
Precautions for storage	Store in tightly closed, original containers in a dry, cool, well-ventilated place. Store at a temperature not exceeding 50°C/122°F. Protect from freezing and direct sunlight. If frozen: once thawed, vigorously agitate container to ensure a homogeneous product. Store away from the following materials; alkalis, acids, cyanides, reducing agents, oxidizing materials and aluminum. Do not use containers made of carbon steel. Keep separate from food, feed, fertilizers and other sensitive materials
Storage class	Storage of flammable liquids.
Certain end uses	Uses for this product are detailed in Section 1.

8. Exposure controls and personal protection

Ingredient content review	8 hour exposure: 500 mg/m3 (sk) (isopropanol). Short term exposure : 625 mg/m3 (sk) (isopropanol) Not required
Proper engineering control	All handling should be done in a well-ventilated area
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protector	Wear protective gloves made of the following materials: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). Note that liquids can penetrate gloves. Frequent replacement is recommended.
Skin and other body protection	Wear suitable clothing to prevent repeated or prolonged contact with skin. Wear an apron or protective clothing if contact is possible.

Hygienic measures	No specific cleaning procedures are recommended but good personal hygiene practices should always be observed when working with chemical products. Clean contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Respiratory protection should be used if airborne contamination exceeds recommended threshold levels.
Environmental exposure control	Keep the packaging tightly closed when not in use.

9. Physical and chemical properties

Physical state	Fluid
Colour	Light yellow
Smell	A little
Odor threshold	Not available
pH	Not available
Melting Point	Not available
Initial boiling point and range	80 (Isopropanol) @°C @ 760 mm Hg
Flash Point	30°C PMCC (Pensky-Martens closed cup).
Evaporation rate	Not available
Upper/lower flammability or explosive limits	Not available
Autoignition temperature	399 (Isopropanol)°C
Decomposition temperature	Not available
Vapour pressure	Not available
Specific gravity of steam	Not available
Relative specific gravity	0.95 - 1.00 @ @ 20°C
Solubility	Slightly soluble in water.
Partition coefficient	Pow log: 3
Viscosity	200 cSt @ 20°C
Oxidizing properties	Does not meet the criteria to be classified as an oxidizer.
Other information	Not available.

10. Stability and reactivity

Reactivity	There is no reactivity hazard from this product.
Stability	Stable at normal room temperature and when used as recommended.
Possible reactions dangerous	Will not polymerize.
Conditions to avoid	Avoid heat, fire and other sources of ignition.
Ingredients to avoid	Strong oxidizing agent.
Hazardous of product decomposition	Toxic gases/vapors/fumes from: Carbon dioxide (CO2). Carbon monoxide (CO)

11. Toxicological information

Information on toxicological effects

Supplemental Toxicological

Information

Inhalation	May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach upset or vomiting.
Skin contact	Non Irritant. Not a Skin Sensitizer
Eye contact	Irritating to eyes.
Acute and chronic health hazards	There are no known specific health risks.

ETHYLENE OXIDE PROPYLENE OXIDE BLOCK COPOLYMER

Acute toxicity - mouth	Acute oral toxicity (LD?? mg/kg) Species	2,000.0 Mouse
Acute toxicity - skin	Acute dermal toxicity (LD?? mg/kg) Species	2,000.0 Rabbit
Inhalation	May cause respiratory system irritation.	
Ingestion	May cause discomfort if swallowed.	
Skin contact	Liquid may cause skin irritation.	
Eye contact	Steam or spray in the eyes may cause irritation and stinging.	

12. Ecological information

ETHYLENE OXIDE PROPYLENE OXIDE BLOCK COPOLYMER

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have harmful effects on the environment.
Toxicity	Not considered toxic to fish.
Acute toxicity - fish	LC50, 96 hours: 203 mg/l, Mykiss Onchorhynchus (Rainbow trout) LC??, 96 hours: 203 mg/l, Fish
Persistence and decomposition	This product is expected to decompose slowly. Data supporting this statement are held by the appropriate waste disposal authorities and can be provided upon direct request, or upon request from the detergent manufacturer.
Oxygen requirement chemical	1.910 g O?/g substance
Potential for biological accumulation	The product does not contain any bioaccumulative substances.
Partition coefficient	Pow log: 3
Potential for accumulation biological	The product does not contain any bioaccumulative substances.
Mobility	This product is partially soluble in water and may spread in the aquatic environment.
Mobility	Product is not miscible with water. May spread in water systems.
Other adverse effects	Not available.

13. Disposal considerations

Waste processing methods

General information	Waste is classified as hazardous waste. Dispose of waste to a licensed disposal site in accordance with local government requirements.
Disposal method	Liquid material should be incinerated. Material onto absorbed sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14. Transport information

UN number	ADR/RID:1993 1993	IMDG:1993	IATA:
UN proper shipping name	ADR/RID:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol)	IMDG:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol)	IATA:FLAMMABLE LIQUIDS, NOS, (Contains isopropanol)
Transport hazard class(es)	ADR/RID: 3	IMDG: 3	IATA:3
Packaging group	ADR/RID: III	IMDG: III	IATA : III
Environmental hazards	ADR/RID: No No	IMDG: No	IATA:
Special precautions for user	EmS FE, SE Classification Code (Adr) F1		

15. Regulatory information

Inventory

EU (EINECS/ELINCS)	All ingredients are listed or excluded.
Canada (DSL/NDSL)	All ingredients are listed or excluded.
United States (TSCA)	All ingredients are listed or excluded.
United States (TSCA) 12(b)	None of the ingredients are listed.
Australia (AICS)	All ingredients are listed or excluded.
Japan (MITI)	All ingredients are listed or excluded.
Korea (KECI)	All ingredients are listed or excluded.
China (IECSC)	All ingredients are listed or excluded.
Philippines (PICCS)	All ingredients are listed or excluded.
New Zealand (NZIOC)	All ingredients are listed or excluded.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.